



FIG. 1A Lab 5'UTR

1 atcagtcacg acttggttaag cgcgcaggca gcacgtcgtc gtcgtcatcg
51 ccaacgggag tcgtgttttt cggttcgata cagataaaac ccacgtcgat
101 agccctcgac cgtcgcgtaa tattcttaga aagcaaacag ctaaagaact
151 atttcaagaa ctgtgtggca agtgaagggt agttagtgat acaccgggta
201 tatcggagtg gcgagaaagt gtggttccgg ctggacaat

FIG. 1B Secondary Structure (Y-shape)

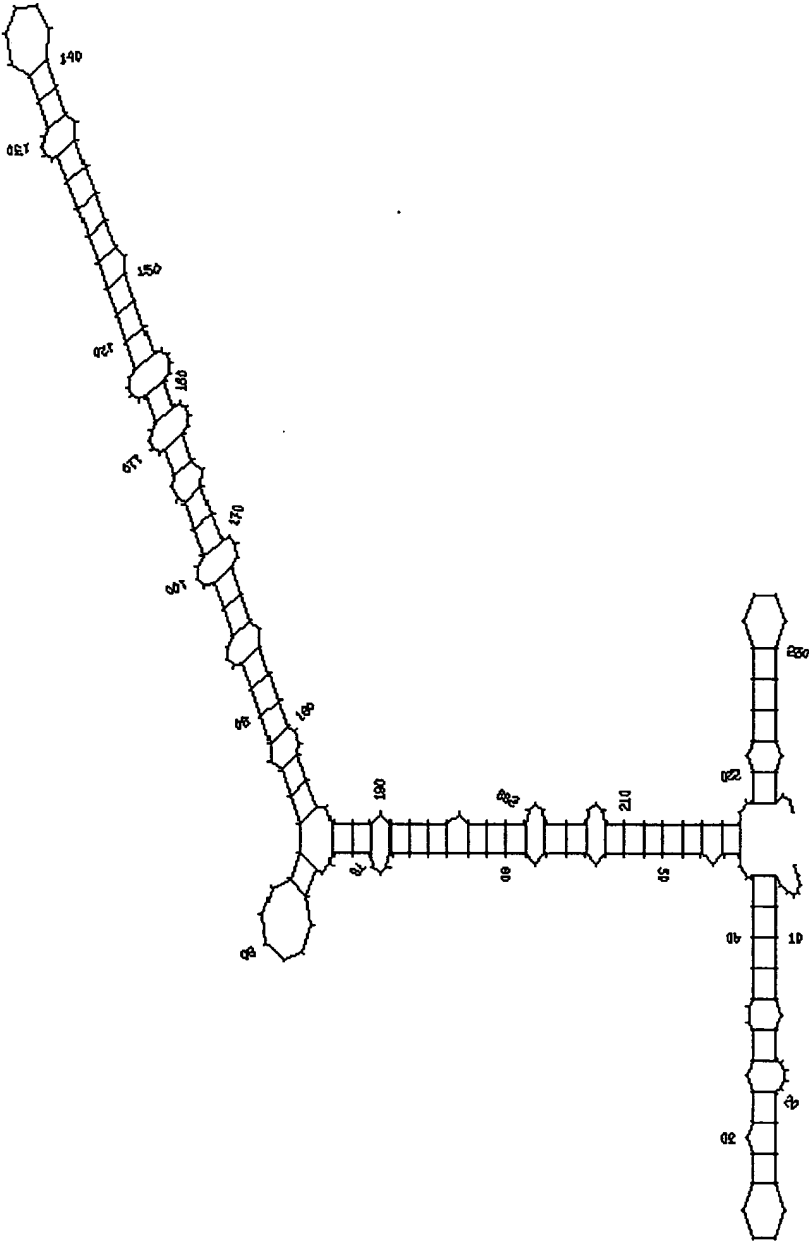


FIG. 2A

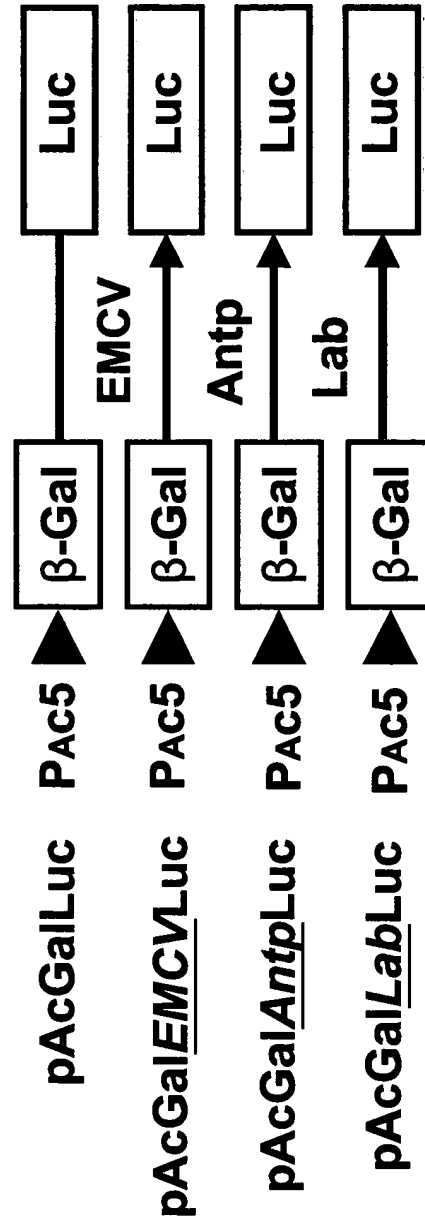


FIG. 2B

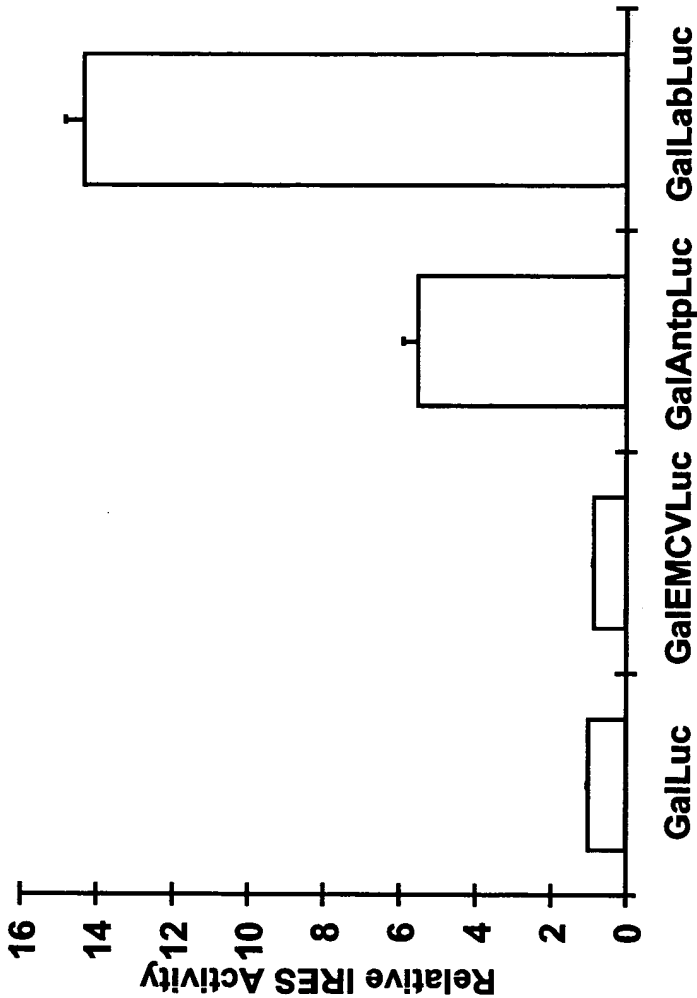


FIG. 2C

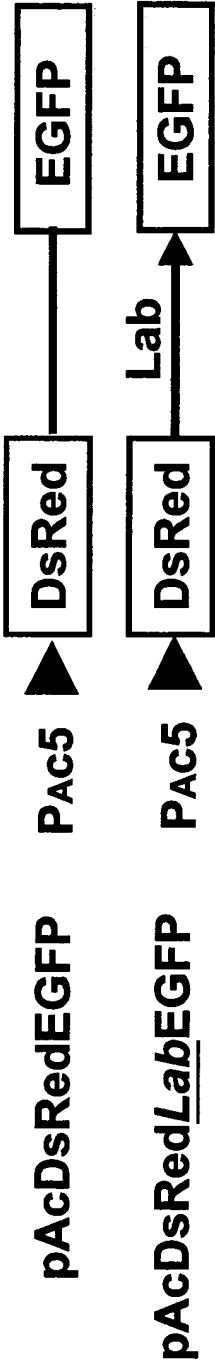


FIG. 2D

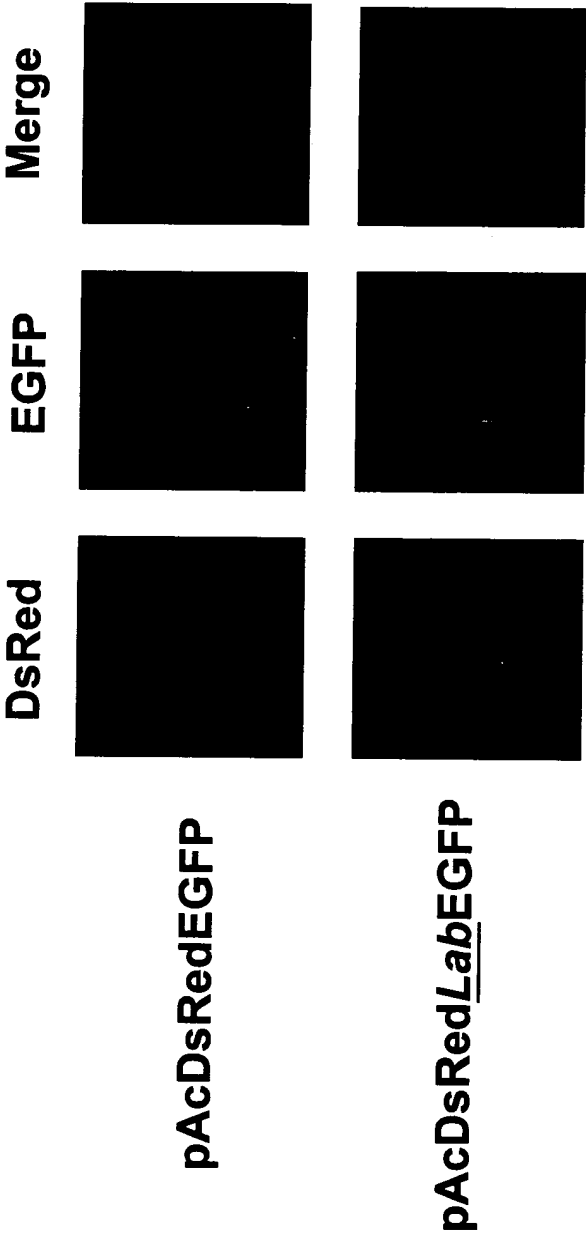


FIG. 2E

pAcGalLuc pAcGalEMCVLuc pAcGalAntpLuc pAcGalLabLuc

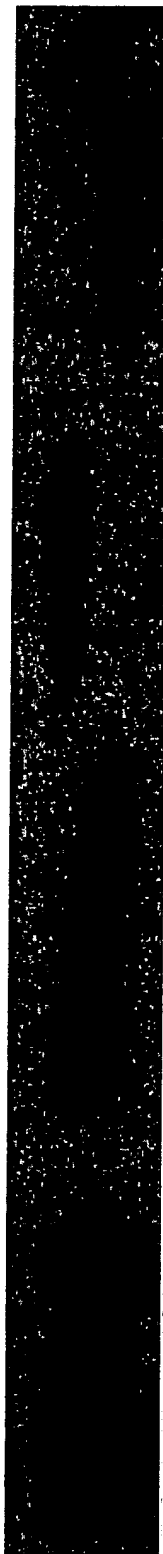


FIG. 2F

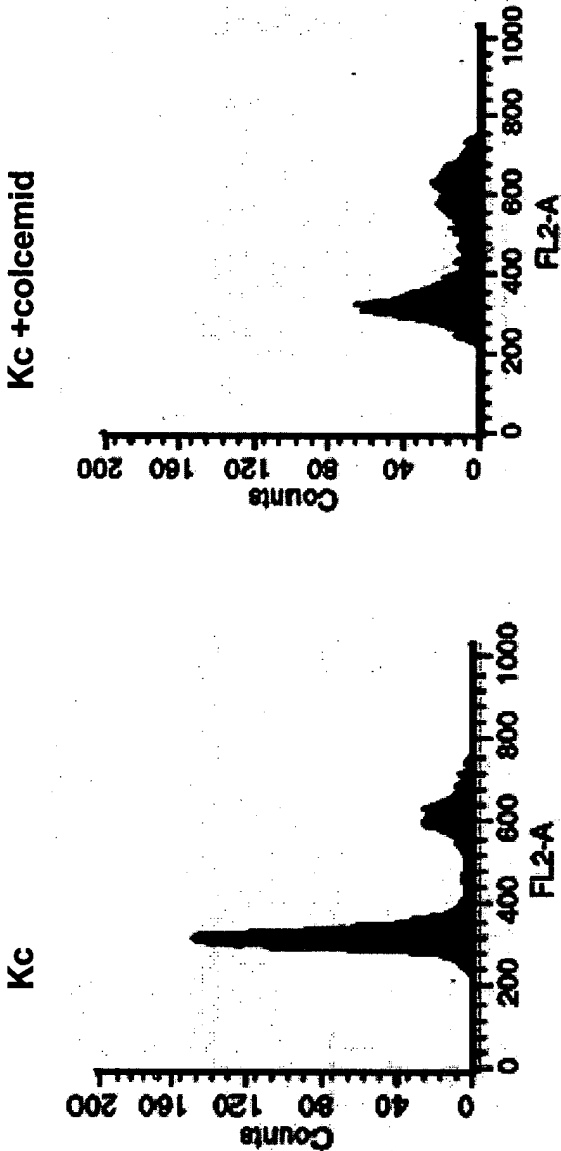


FIG. 2G

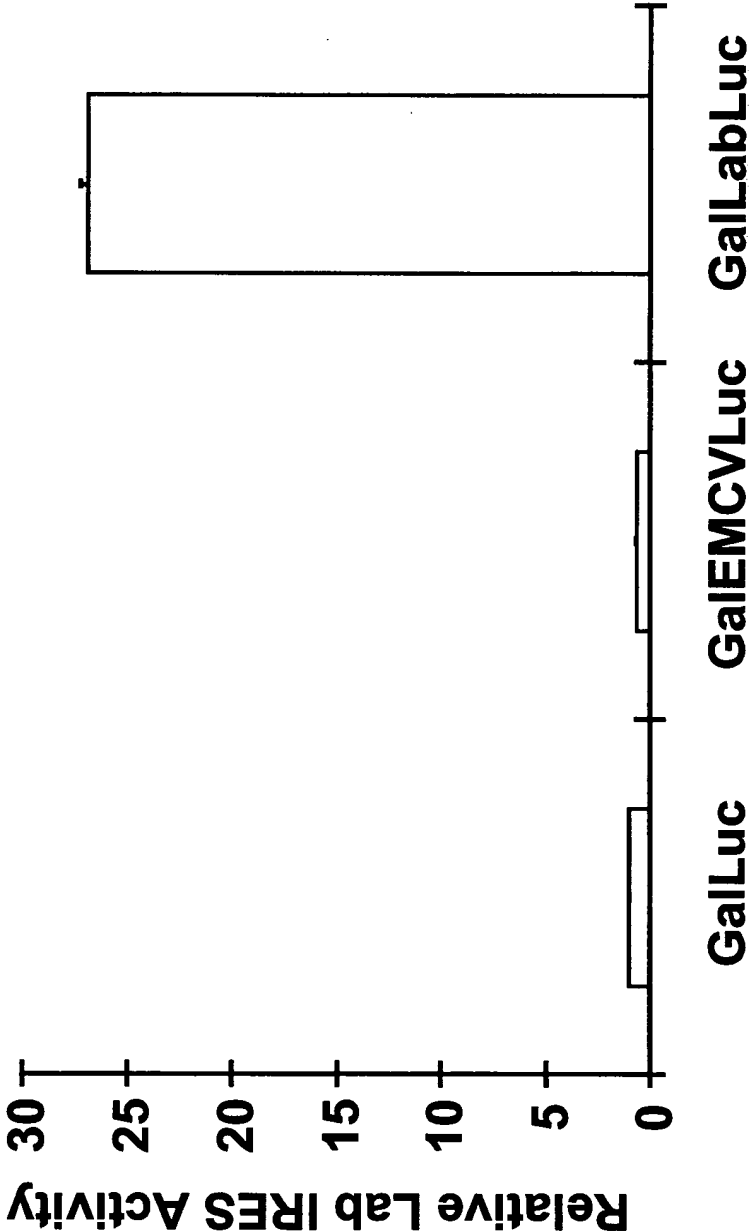


FIG. 2H

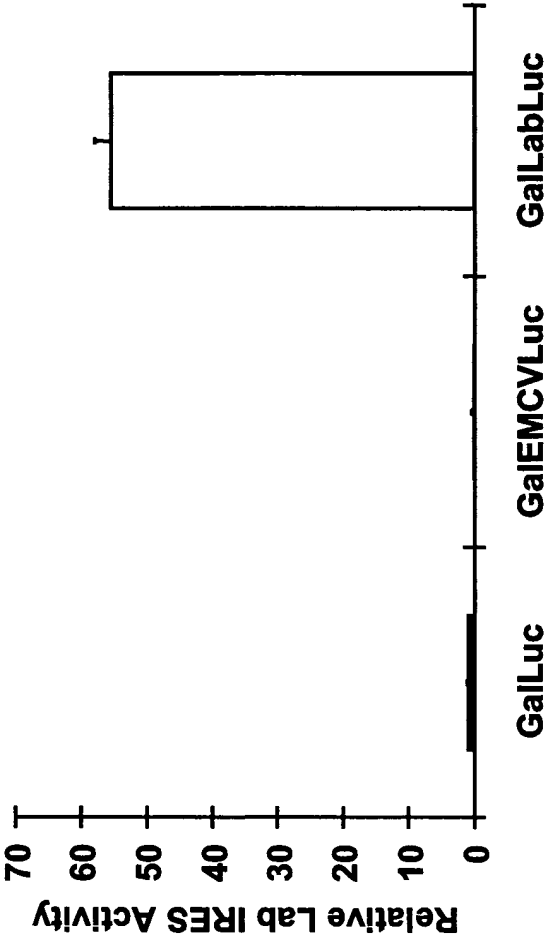
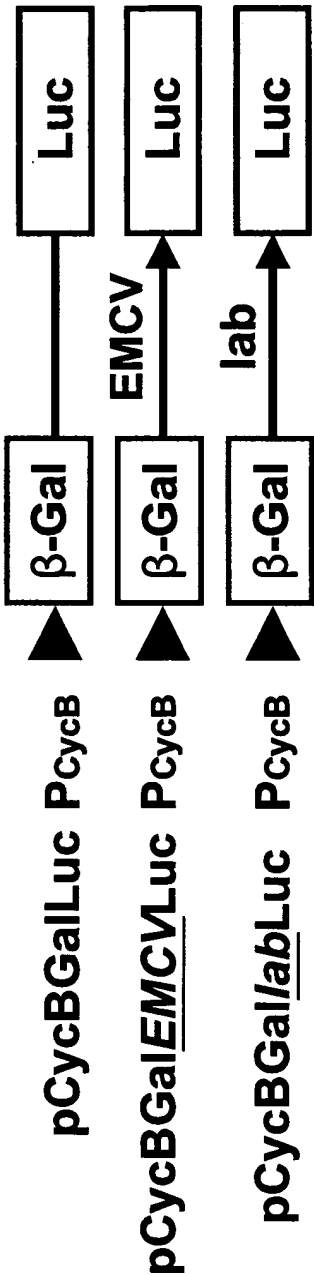


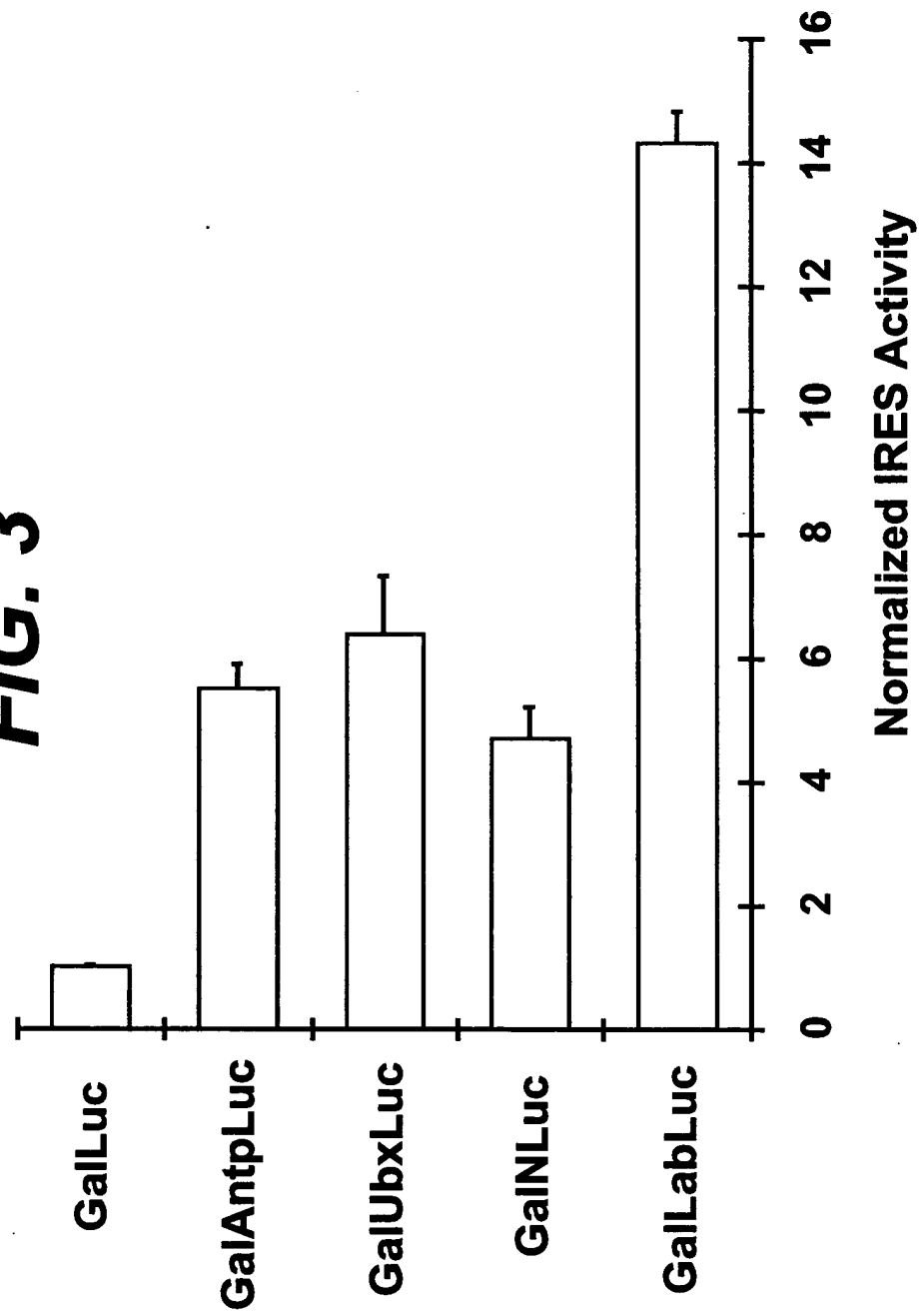
FIG. 3

FIG. 4A Homeobox A1 5'UTR

Lab 5'UTR	A TCAGT CA CGACTTGGT-----AAGCGCGCAGGCAAGCACGTCGTC-GTCGTCAT-CG
A1 5'UTR	AGCGCCGGGATTTAAATGCCACTAAACGCTGATCCATCACATGCGAAGCCGCAAACT
Consensus	A-Ca-t-a-GACTTgg-----AAGCG--A-CA-CAC--CG--GtCG-CA--C-
Lab 5'UTR	CCAACGGGAGTCGTGTTTTCGGTTCGATACAGATATAAA--CCCACGTCGATAGCCCTCG
A1 5'UTR	TTTGCAAGAGGCTCAAGCCATTGGCT-GACACCGCTCACGTGCCCTCTCTCCAGCTCCTCC
Consensus	cc-aCGGAG-C-tg-tt-TCGGtT-GATAC-G-tA-a---CCC-C-TC-A--GCCCTC-
Lab 5'UTR	ACCGTC CGGTAATAT-TCATTAGAAAGCAACAGCTAAAGAACTATT---TCAAGAAACTG
A1 5'UTR	GCCCTCCGCGCCCCCTCTTTGCGCACTGTACATTCATATCATTTTCTTCTCCGGCCCA
Consensus	aCC-TC-CGt--t-t-TCTTa-a-A-ca-ACA-ctA-A--Act-TT---TC-ag--Ctg
Lab 5'UTR	TGTGGCAAGTGA-AGGGTAGTTAGTGAATACACCCGGTTATATCGGAGTGGCGAGAAAGTGT
A1 5'UTR	TGAGGAAGTGAACAAGTTCGCACAGTCACGCCGGGCT--TCGCAG-GACCAg-----GT
Consensus	TG-gg-AAGTGA-aggGT-G-tA--G-tACaCCGG-t---TCG-AG-ggC-AG-----GT
Lab 5'UTR	GGTTCGCGCTGGACAA
A1 5'UTR	CACCTCAgT---GACAG
Consensus	-gtTC-G----GACAa

FIG. 4B Secondary Structure

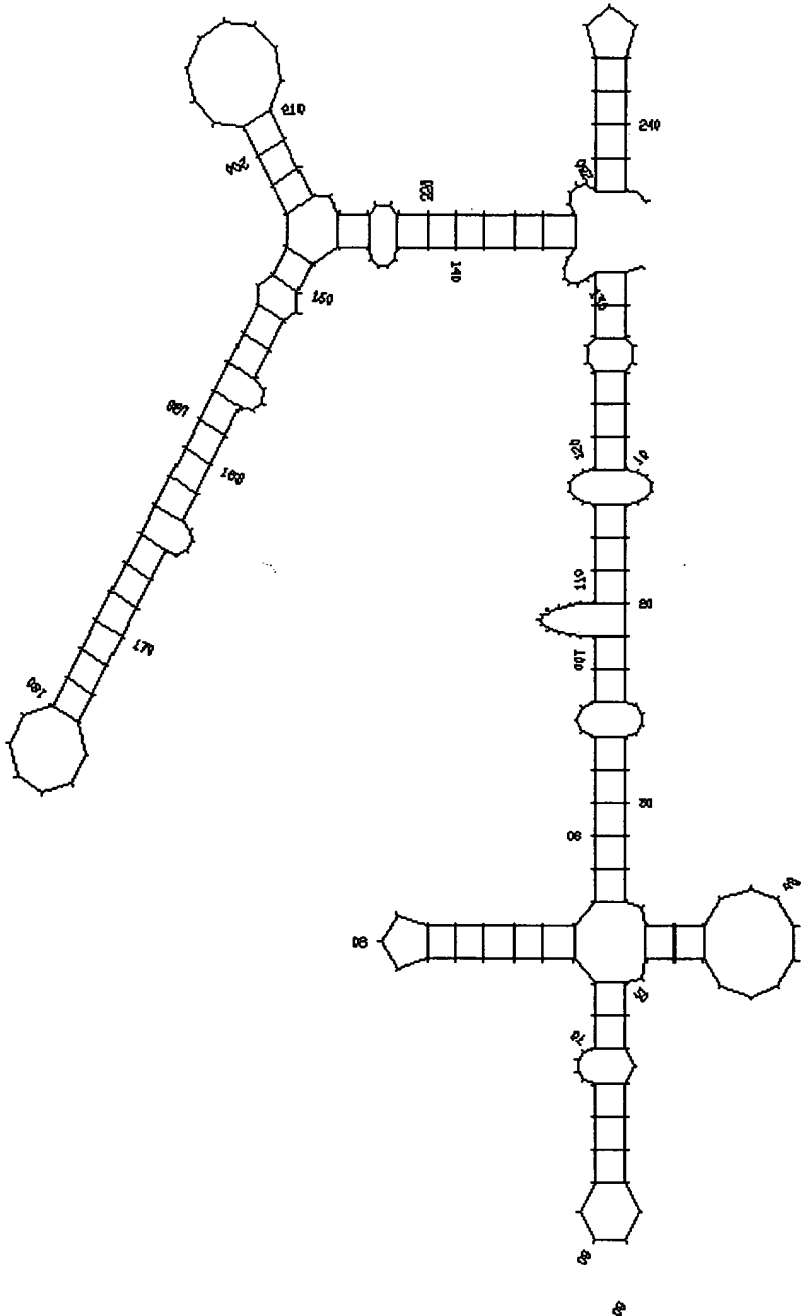


FIG. 5A

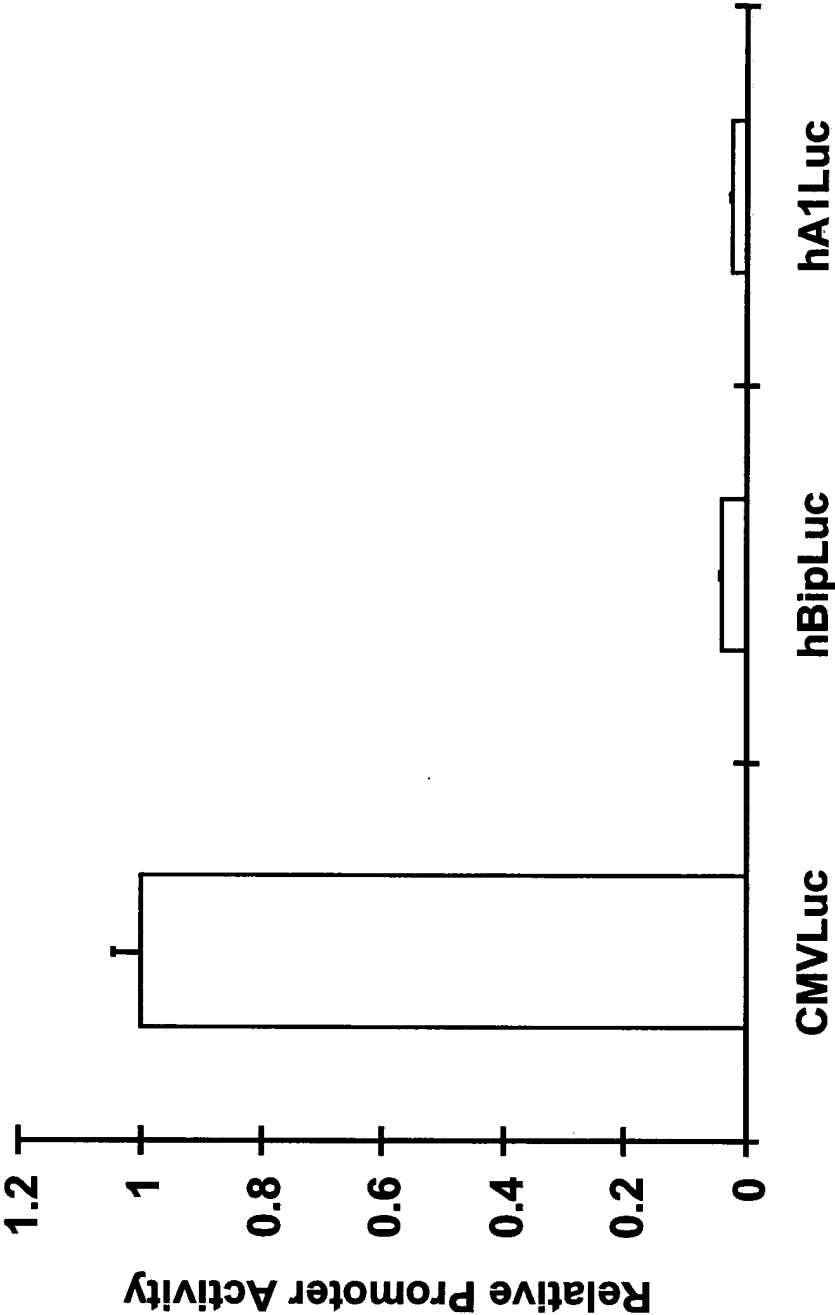


FIG. 5B

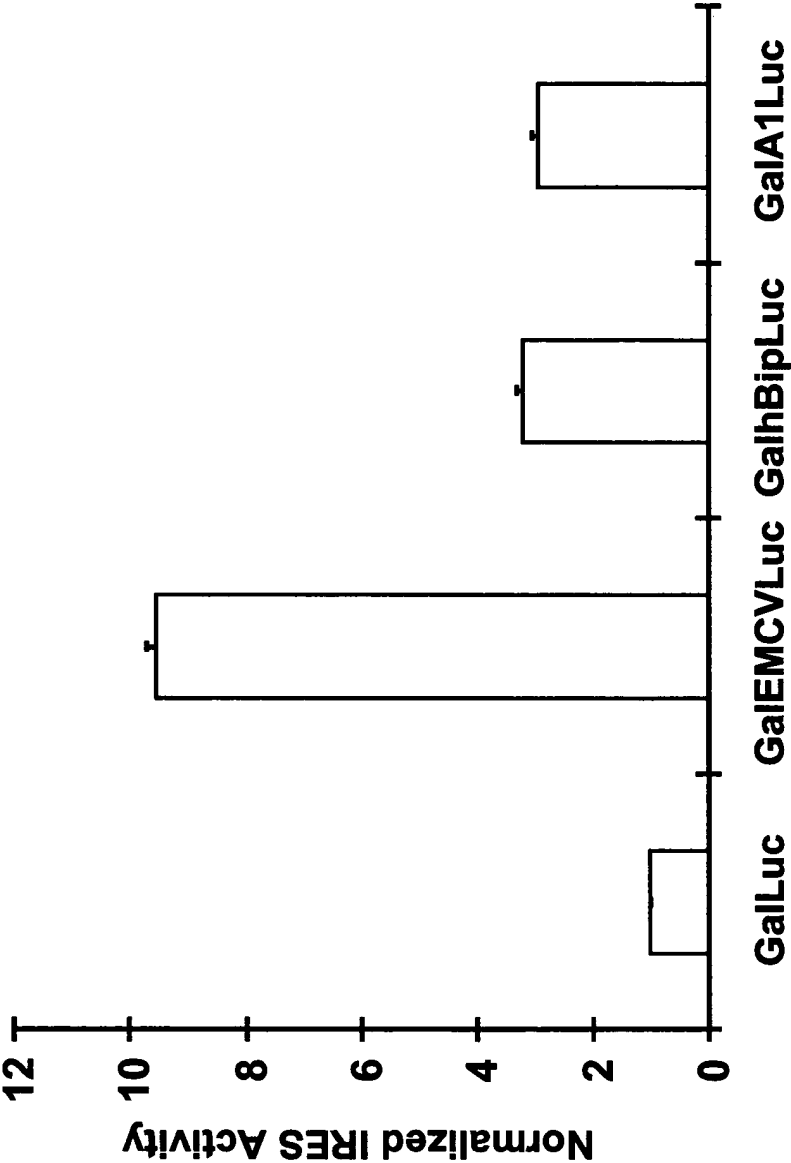


FIG. 6A

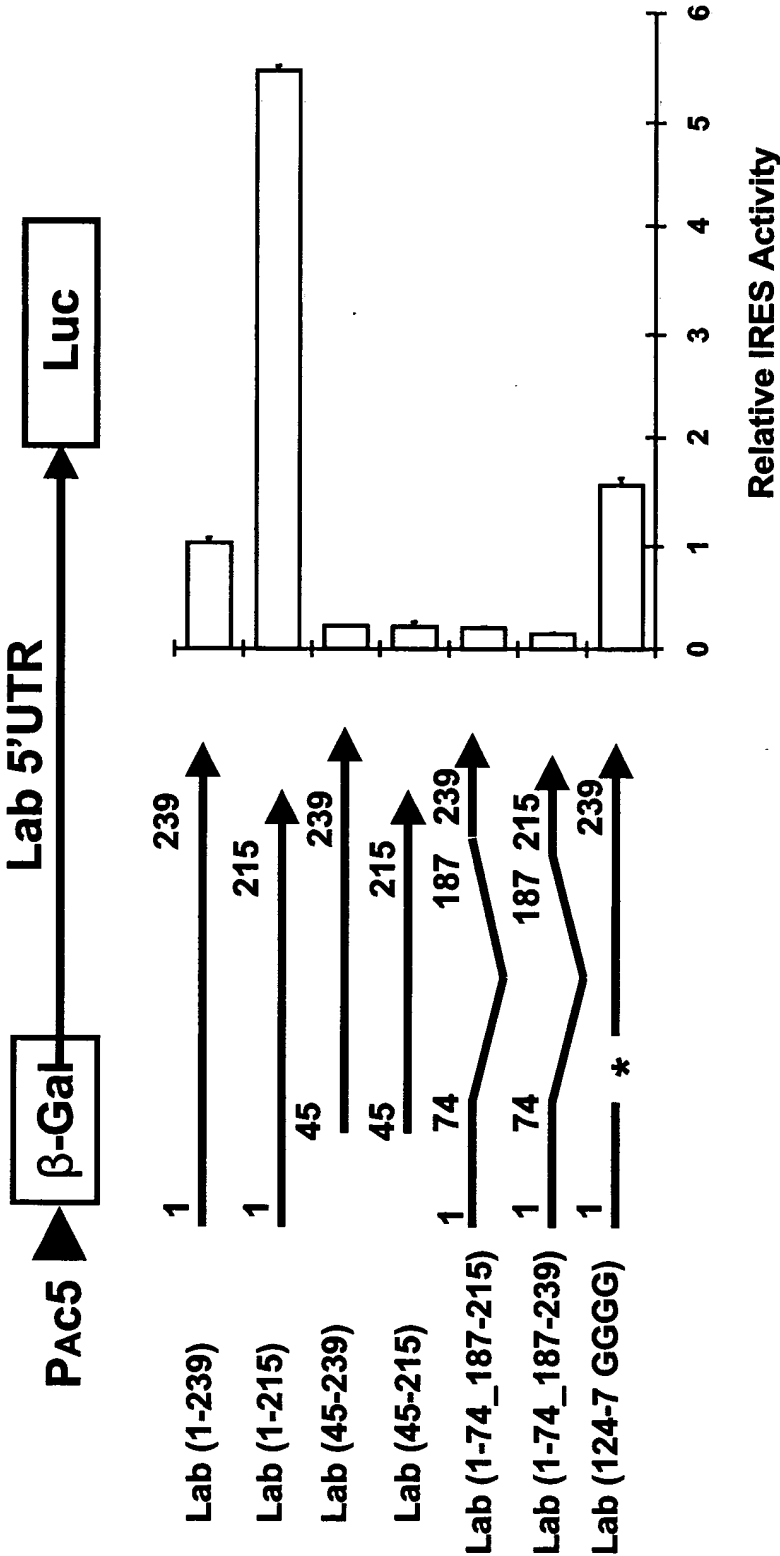
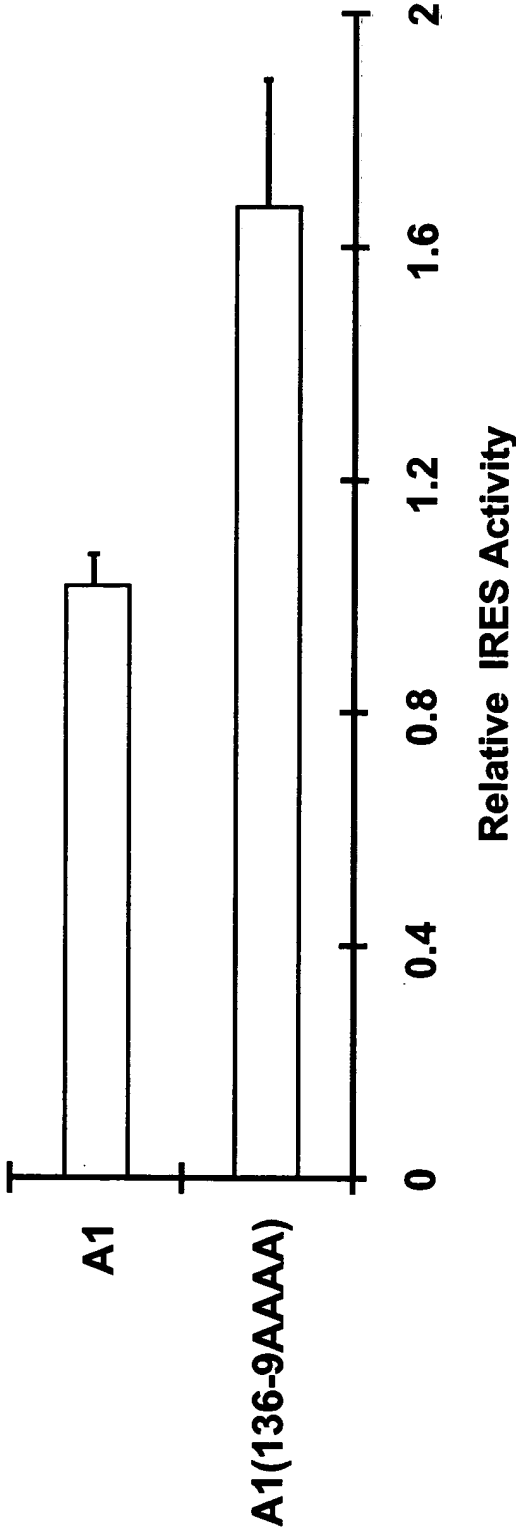


FIG. 6B



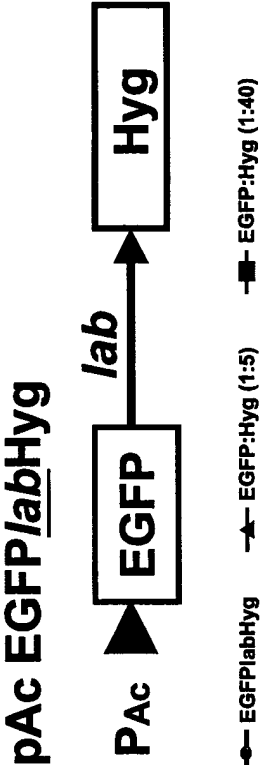


FIG. 7

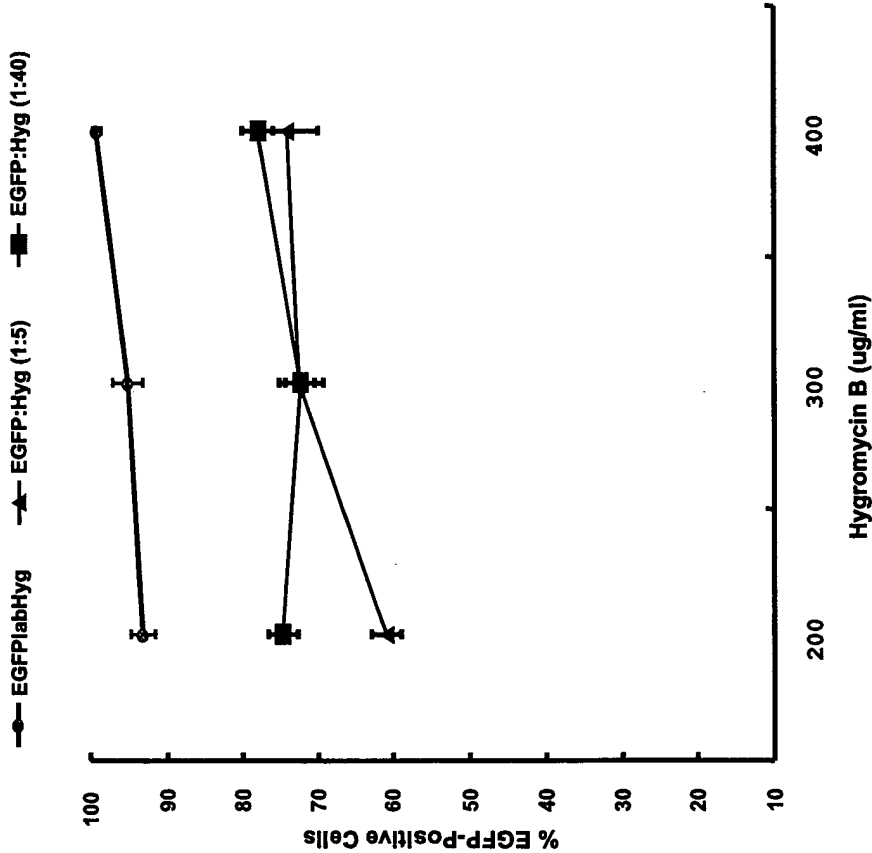


FIG. 8A

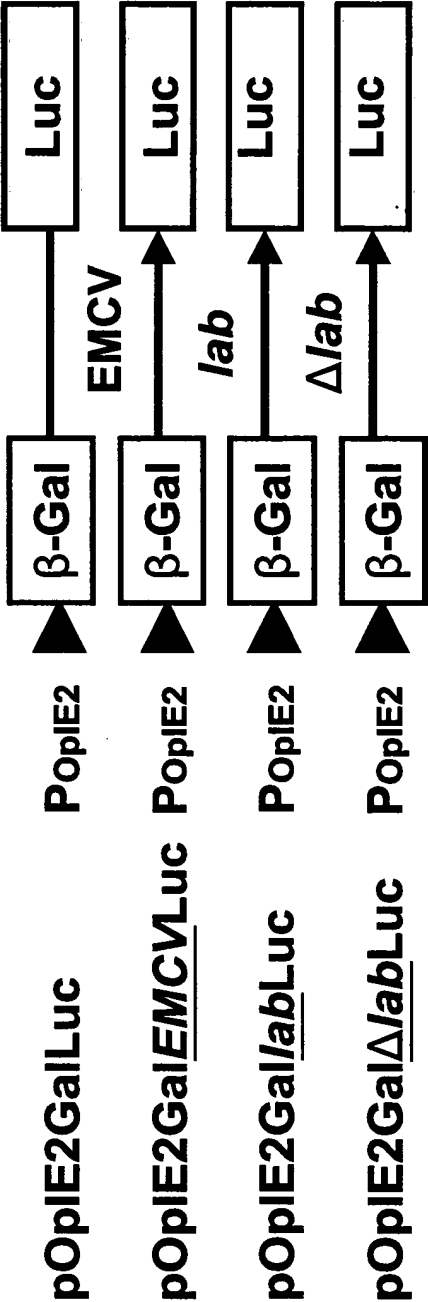


FIG. 8B

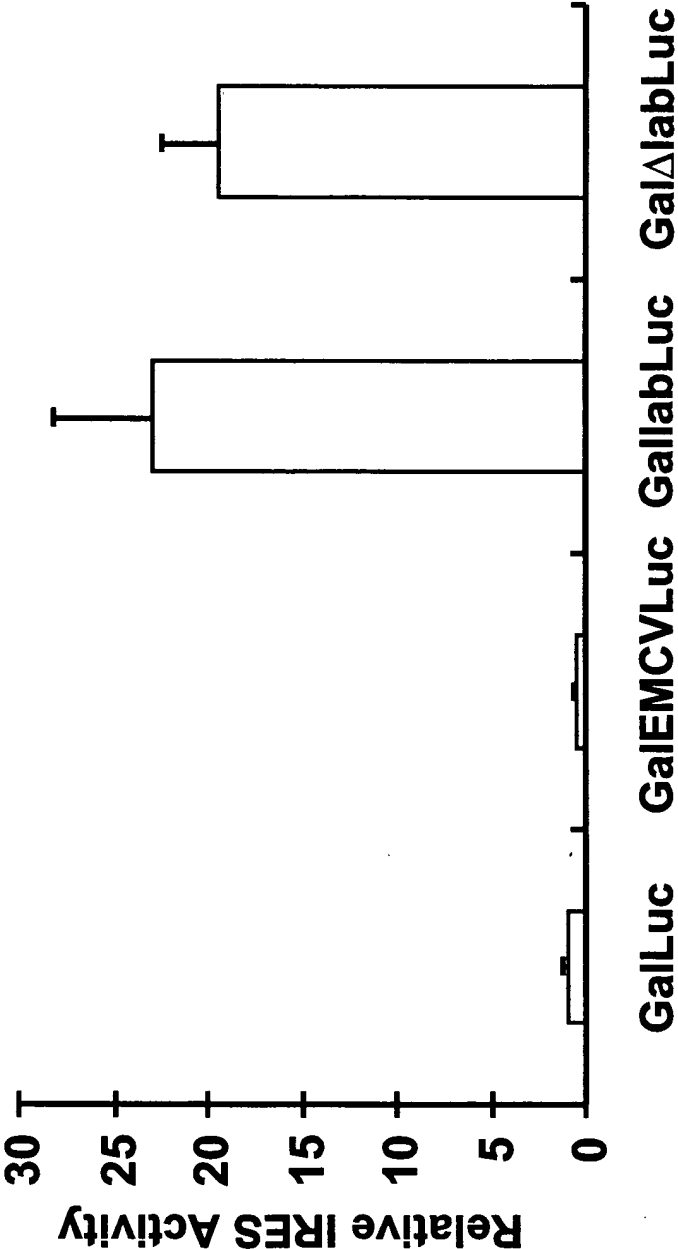


FIG. 8C

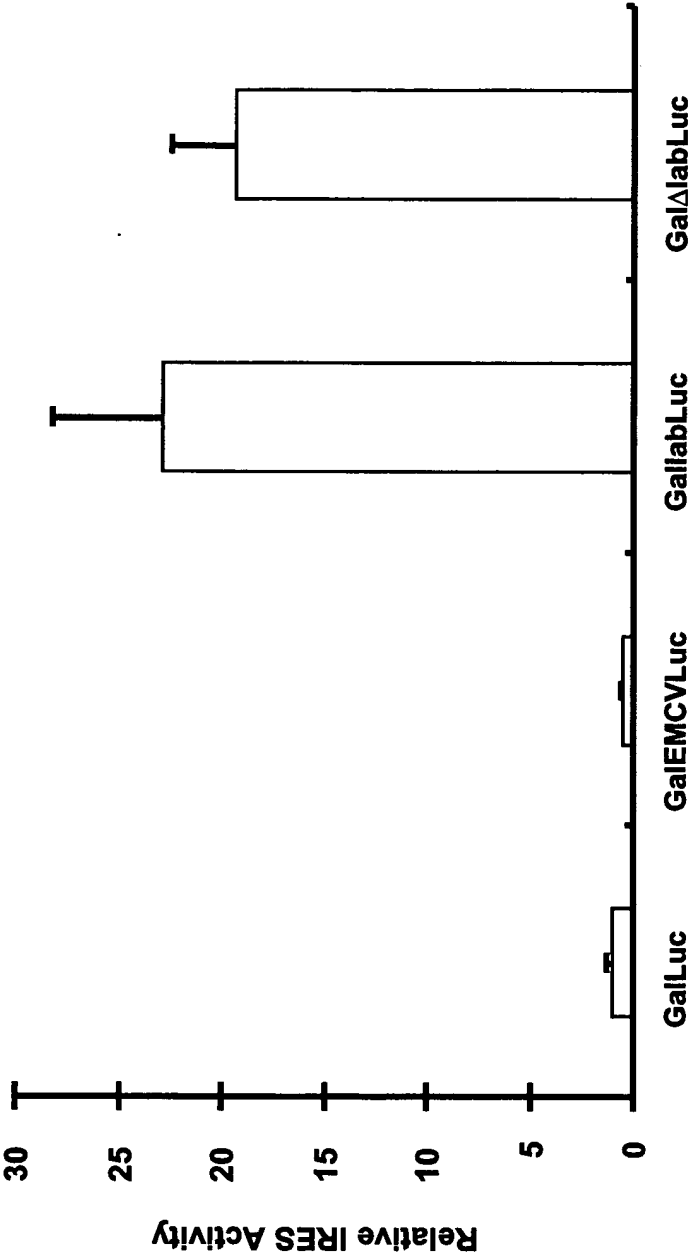


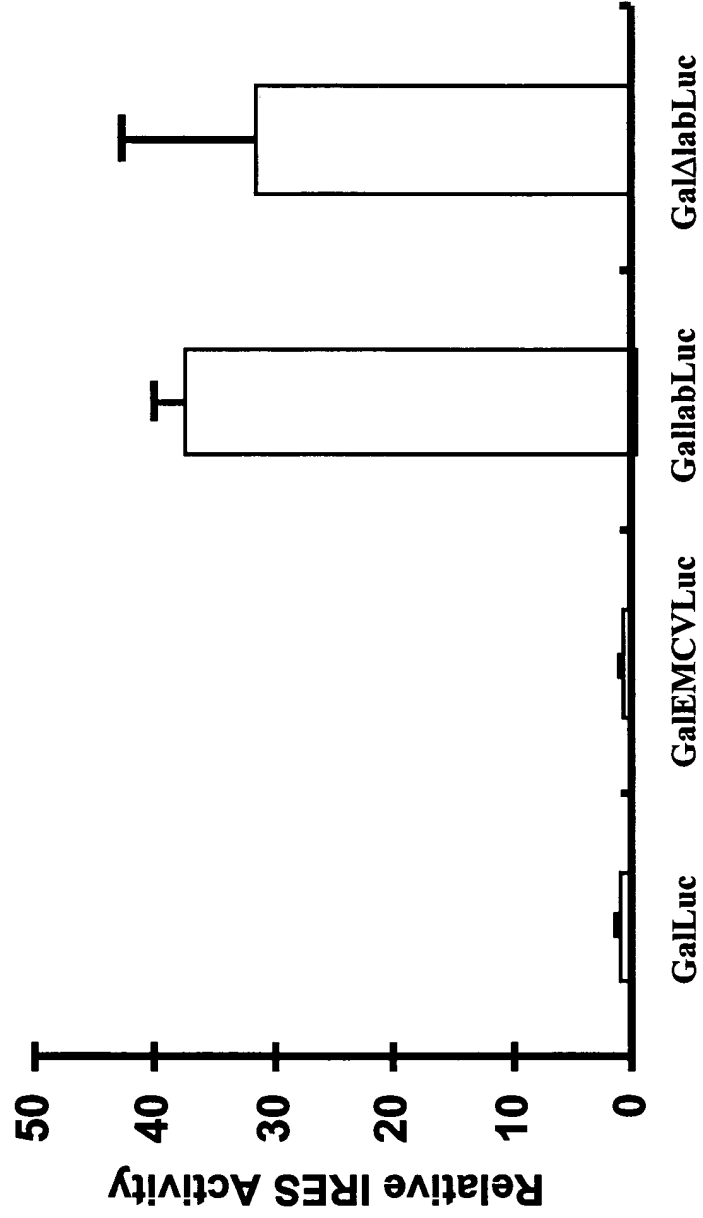
FIG. 8D

FIG. 9A

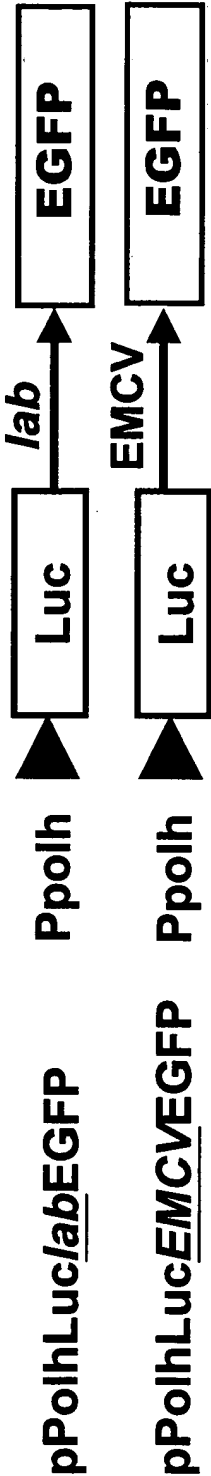


FIG. 9B

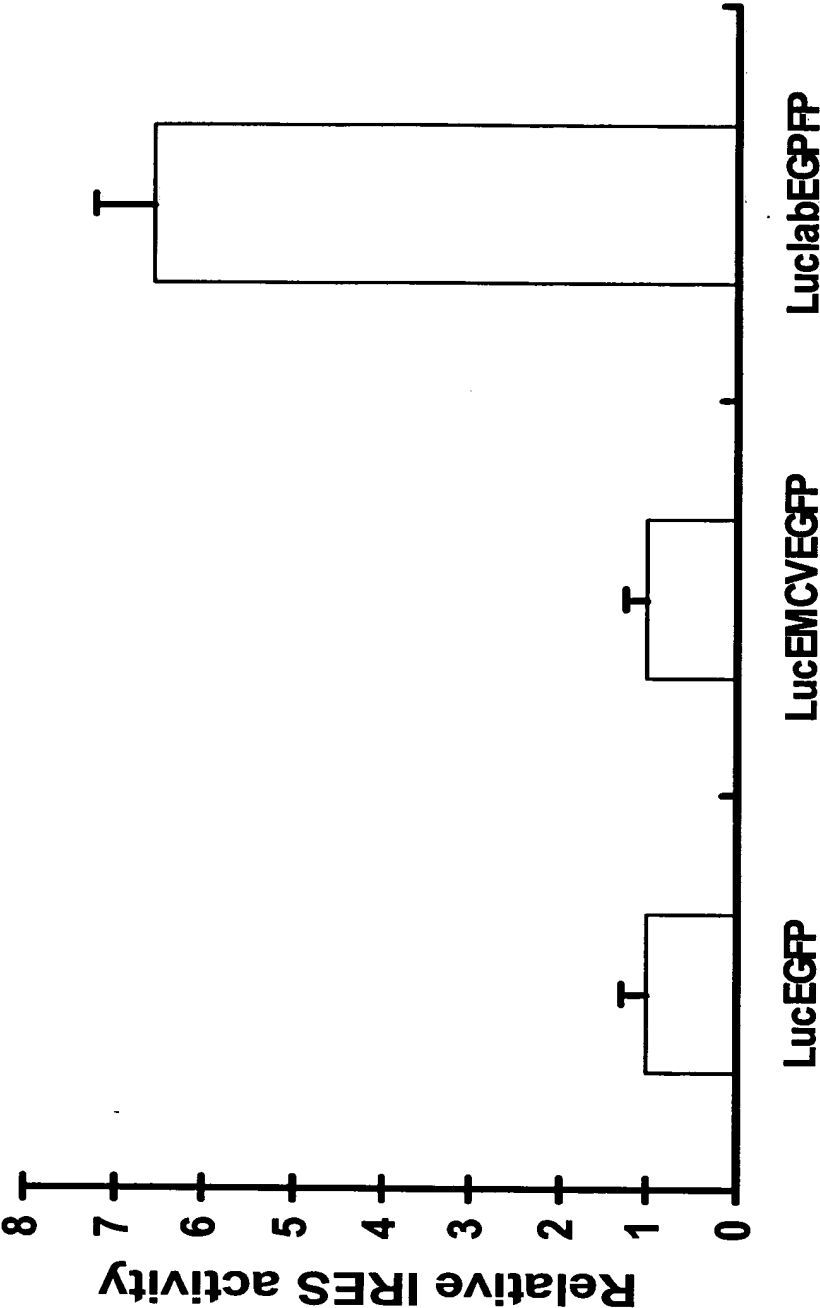


FIG. 10

